

**What the invention claimed is:**

1. A Serial ATA interface connector comprising:
  - a connector body;
  - a plurality of terminals mounted in said connector body, said
  - 5 terminals including short terminals and long terminals alternatively arranged in parallel, said terminals each having an endpiece extended out of a rear side of said connector body and terminating in a respective vertically extended conductor holder, said conductor holder having an upwardly extended Y-shaped retaining notch;
  - 10 a bottom cover shell adapted to accommodate said connector body, said bottom cover shell comprising a rear cable chamber, a plurality of positioning holes adapted to accommodate the conductor holders of said terminals, and a plurality of upright hooks symmetrically disposed at two opposite lateral sides;
  - 15 a Serial ATA interface cable inserted into the rear cable chamber of said bottom cover shell, said Serial ATA interface comprising a plurality of conductors respectively engaged into the Y-shaped retaining notches of the conductor holders of said terminals; and
  - a top cover shell covered on said bottom cover shell to hold down
  - 20 said connector body and said Serial ATA interface cable, said top cover shell comprising a cable chamber adapted to accommodate said Serial ATA interface cable, and a plurality of hook holes respectively fastened to the upright hooks of said bottom cover shell.
2. The Serial ATA interface connector as claimed in claim 1,
- 25 wherein said terminals each further comprise a plurality of clamping strips

bilaterally disposed in front of the respective conductor holders and adapted to clamp the conductors of said Serial ATA interface cable.

3. The Serial ATA interface connector as claimed in claim 1, wherein the conductor holder of each of said terminals comprises two bottom  
5 legs respectively positioned in respective locating grooves in the positioning holes of said bottom cover shell.

4. The Serial ATA interface connector as claimed in claim 1, wherein said top cover shell further comprises a plurality of positioning holes adapted to accommodate the conductor holders of said terminals.

10 5. The Serial ATA interface connector as claimed in claim 1, wherein said top cover shell and said bottom cover shell each comprise a plurality of transverse ribs respectively disposed in the respective rear cable chamber and adapted to hold down said Serial ATA interface cable.

6. The Serial ATA interface connector as claimed in claim 1,  
15 wherein said bottom cover shell further comprises a plurality of upwardly extended pin holes; said top cover shell further comprises a plurality of bottom pins respectively plugged into the pin holes of said bottom cover shell.

7. The Serial ATA interface connector as claimed in claim 1,  
20 wherein said top cover shell and said bottom cover shell are peripherally sealed by a high-frequency heat sealing apparatus.